

LAMINATED TYPE PRESSURE SENSITIVE MATERIAL

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Abstract

PURPOSE: To make it possible to form a material by a printing method and to prevent current conduction under the state wherein pressure is not applied positively even if a spacer and the like are not used when the material is applied for sensors, switches and variable resistors by laminating conductive compositions whose pressure sensitive resistance is changed and which have printing characteristics, and making the electric conductivity of the outermost layer smaller than the synthesized electric conductivity of the other layers.

CONSTITUTION: On a base material 12 comprising an insulating material such as polyester, conductive composition whose pressure sensitive resistance is changed and which have printing characteristics are laminated by screen printing, and a first layer 14 is obtained. Then, conductive compositions whose pressure sensitive resistance is changed and which has printing characteristics are laminated on the first layer 14 by screen printing. Thus, a second layer 16 as an outermost layer having the electric conductivity smaller than the (synthesized) electric conductivity of the first layer 14 which is the layer other than the outermost layer is formed. The number of said laminated layers can be two or more and can be determined appropriately in correspondence with the intended applications and the like of the laminated type pressure sensitive material. With this constitution, insulation between the conductor and the laminated type pressure sensitive material when pressure is not applied is ensured, when various kinds of the conductors are brought into contact with the surface (outermost layer) and various kinds of elements and the like are formed. The change in electric resistance is large, and the pressure sensitive property is excellent.

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